

## EAST Search History

| Ref #    | Hits | Search Query  | DBs  | Default Operator | Plurals | Time Stamp       |
|----------|------|---|--|------------------|---------|------------------|
| L2       | 592  | 360/46,39,65-68.ccls. and (asymmetr\$4 symmetr\$4)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>IBM_TDB | OR               | ON      | 2006/08/25 13:05 |
| L3       | 7    | 2 and (((variable near2 amplifier) or VGA) same (gm or transconduct\$4))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>IBM_TDB | OR               | ON      | 2006/08/25 13:09 |
| S17<br>8 | 17   | (variable near2 (amp amplifier)) and (gm or transconductance) and (asymmetr\$2 near4 (correct\$3 compensat\$3)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>IBM_TDB          | OR               | ON      | 2006/08/23 16:18 |
| S17<br>9 | 17   | (variable near2 (amp amplifier)) and (gm or transconductance) and (asymmetr\$3 near4 (correct\$3 compensat\$3)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>IBM_TDB          | OR               | ON      | 2006/08/23 15:06 |
| S18<br>0 | 130  | (variable near2 (amp amplifier)) and (asymmetr\$3 near4 (correct\$3 compensat\$3))                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>IBM_TDB          | OR               | ON      | 2006/08/23 15:10 |
| S18<br>1 | 1    | ("6721114").PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>IBM_TDB          | OR               | OFF     | 2006/08/23 15:10 |
| S18<br>2 | 6    | ("6043943"   "6147828"   "6449110"   "6587292"   "6633447"   "6707623").PN.                                     | US-PGPUB;<br>USPAT;<br>USOCR                                   | OR               | ON      | 2006/08/23 15:19 |
| S18<br>3 | 35   | ((gm or transconductance) near3 switch\$3) same ((differential variable) near2 (amp amplifier))                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>IBM_TDB          | OR               | ON      | 2006/08/23 16:00 |
| S18<br>4 | 14   | ("6040732").URPN.   | USPAT  | OR               | ON      | 2006/08/23 16:09 |
| S18<br>5 | 6    | ("6043943"   "6147828"   "6449110"   "6587292"   "6633447"   "6707623").PN.                                     | US-PGPUB;<br>USPAT;<br>USOCR                                   | OR               | ON      | 2006/08/23 16:23 |

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|          |     |  |  |    |    |                  |
|----------|-----|--|--|----|----|------------------|
| S18<br>6 | 11  | ("4096399"   "4821033"  <br>"5081453"   "5126734"  <br>"5170335"   "5179293"  <br>"5284047"   "5289332"  <br>"5389833"   "5532629"  <br>"5598114").PN. | US-PGPUB;<br>USPAT;<br>USOCR                                   | OR | ON | 2006/08/23 16:24 |
| S18<br>7 | 8   | ("5787005"   "5943177"  <br>"5986831"   "5999349"  <br>"6043943"   "6052245"  <br>"6072647"   "6191908").PN.   | US-PGPUB;<br>USPAT;<br>USOCR                                   | OR | ON | 2006/08/25 08:45 |
| S18<br>8 | 2   | ("6400518").URPN.  | USPAT  | OR | ON | 2006/08/25 08:48 |
| S18<br>9 | 8   | ("20020154430"   "20050114134"<br>  "20050219729"   "5744993"  <br>"6043943"   "6147828"  <br>"6400518"   "6529340").PN.                               | US-PGPUB;<br>USPAT;<br>USOCR                                   | OR | ON | 2006/08/25 08:49 |
| S19<br>0 | 25  | ((transconduct\$4 or gm) near2<br>switch) and ((variable near2<br>amplifier) or VGA)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>IBM_TDB          | OR | ON | 2006/08/25 08:57 |
| S19<br>1 | 25  | ((transconduct\$4 or gm) near2<br>switch) and ((variable near2<br>amplifier) or VGA)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2006/08/25 08:55 |
| S19<br>2 | 640 | (transconduct\$4 or gm) same<br>((variable near2 amplifier) or VGA)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>IBM_TDB          | OR | ON | 2006/08/25 08:58 |
| S19<br>3 | 49  | (transconduct\$4 or gm) near3<br>(coupl\$3 connect\$3) near3<br>((variable near2 amplifier) or VGA)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>IBM_TDB          | OR | ON | 2006/08/25 09:09 |
| S19<br>4 | 131 | S192 and (asymmetr\$4 or<br>symmetr\$4)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>IBM_TDB          | OR | ON | 2006/08/25 09:19 |
| S19<br>5 | 67  | (gm or transconduct\$4) near4<br>(output out) near4 ((variable<br>near2 amplifier) or vga)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2006/08/25 09:40 |

## EAST Search History

|          |      |                   |  |    |    |                  |
|----------|------|-------------------|--|----|----|------------------|
| S19<br>6 | 4617 | 360/65-68.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2006/08/25 13:05 |
| S19<br>7 | 3094 | 330/252-253.ccls. | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2006/08/25 09:40 |
| S19<br>8 | 23   | S192 and S196     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2006/08/25 09:43 |
| S19<br>9 | 40   | S192 and S197     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2006/08/25 09:41 |

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| Ref # | Hits | Search Query   | DBs      | Default Operator | Plurals | Time Stamp       |
|-------|------|--|----------|------------------|---------|------------------|
| L6    | 5    | ((variable near2 amplifier) or VGA) near4 (coupl\$3 connect\$3) near4 (output out) near4 ((gm or transconduct\$4) near3 (switch amplifier))).CLM.  | US-PGPUB | OR               | ON      | 2006/08/25 13:20 |
| L7    | 0    | ((((variable near2 amplifier) or VGA) near3 (two multiple first second) near3 output) near4 (coupl\$3 connect\$3) near4 (output out) near4 ((gm or transconduct\$4) near3 (switch amplifier))).CLM.                      | US-PGPUB | OR               | ON      | 2006/08/25 13:20 |
| L8    | 0    | ((asymmetr\$4 symmetr\$4) near3 (correct\$3 equaliz\$6 adjust\$4)) and ((variable near2 amplifier) or VGA) near4 (coupl\$3 connect\$3) near4 (output out) near4 ((gm or transconduct\$4) near3 (switch amplifier))).CLM. | US-PGPUB | OR               | ON      | 2006/08/25 13:20 |